

**A B S T R A C T**

The invention relates to an apparatus for threshing legumes, comprising a frame which is movable over a ground surface, in which frame a drum which is rotatable about its at least substantially horizontally oriented axis of rotation is mounted, the drum surface of which is provided with one or more openings, wherein a main threshing element is disposed within the drum, which main threshing element is rotatable about its longitudinal axis extending at least substantially parallel to the axis of rotation of the drum; wherein at least one auxiliary threshing element is disposed within the drum, which auxiliary threshing element is rotatable about its longitudinal axis extending at least substantially parallel to the axis of rotation of the drum, and wherein additional conveying means are disposed within the drum for conveying the legumes to be threshed through the drum.

According to the invention, the apparatus for threshing legumes is characterized in that the apparatus comprises detection means that measure an angle of inclination of the apparatus with respect to the horizontal, as well as control means that control the additional conveying means on the basis of the measured angle of inclination.

It is this aspect that renders the apparatus according to the invention extremely versatile, since it enables an optimum adjustment of the flow of the threshing material through the threshing drum, because the angle of inclination of the apparatus with respect to the ground surface no longer affects the flow of the threshing mixture.